QC-ABSTRACT

Name of Work:- : Sinking of Borewells and Providing Pumps and Motors and Laying of Pipeline at T. Dasarahalli Ward No 15

Sl No.	Item	Quantity As Per BOQ	Required No's of tests as per Ferquency	Actual No's of tests as per Ferquency	Tests Result
1	Material (1:3:6) PCC	43.65 Cum	1	1	Pass
					Pass
2	PVC 63mm dia	572 Rmt	1	1	Pass
3	M30	65.48Cum	5	5	Pass

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Cubes	0-5 m^3	1set
	6-15 m^3	2set
	16-30 m^3	3set
	31-50 m^3	4 set
	Add 1set for every 50 Cum	

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Job No.: CACE/BBMP/GM/W No.15/2022-23 Date: 04.07.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer, Dasarahalli** Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri.Gnanendra Murthy M D,** Contractor, Bangalore.
NAME OF THE WORK	:	Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		June- 2022
DATE OF TESTING		02.07.2022 to 04.07.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	330 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	3 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	31.00 %	-

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Job No.: CACE/BBMP/GM/W No.15/2022-23 Date 04.07.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Agency :Sri.Gnanendra Murthy M D, Contractor, Bangalore.
Name of Work Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Date of Testing 04.07.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	81	8.10	8.10	91.9	90-100
2.36	105	10.50	18.60	81.4	75-100
1.18	176	17.60	36.20	63.8	55-90
600 Micron	247	24.70	60.90	39.1	35-59
300 Micron	185	18.50	79.40	20.6	8-30
150 Micron	145	14.50	93.90	6.1	0-10

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Ref No.: CACE/BBMP/GM/W No.45/2022-23 Date: 14.07.2022

TEST REPORT ON COARSE AGGREGATES

Client :Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Agency :Sri Gowrisha Murthy BCD, Contractor, Bangalore.

Name of Work :Laying of Interlock and providing pumps and motors and laying of Pipeline at T.Dasarahalli ward No.45, BBMP Bangalore.

Date of Testing :14.07.2022

IS Code :IS 383:2016

IS 2386 (Part-I):1963(RA 2011)

Material :45mm Aggregates

Total Wt. of Aggregates in gms :5000

Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	221	1.47	1.47	98.53	95-100
20	8439	56.26	57.73	42.27	30-70
10	3149	20.99	78.73	21.27	10-35
4.75	2490	16.59	95.32	4.68	0-5

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Job No.: CACE/BBMP/GM/W No.15/2022-23 Date 04.07.2022

TEST REPORT ON COARSE AGGREGATES

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Agency :Sri.Gnanendra Murthy M D, Contractor, Bangalore.

Name of Work Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Date of Testing 04.07.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	220	4.4	4.4	95.6	95-100
10	2901	58.0	62.4	37.6	25-55
4.75	1625	32.5	94.9	5.1	0-10

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Job No.: CACE/BBMP/GM/W No.15/2022-23 07.07.2022

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri.Gnanendra Murthy M D, Contractor, Bangalore.**

Name of Work : Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Sample Supplied by : AGENCY

BIS Code : IS 4985:2000

Sample Identification : PVC pipe 63mm dia

Date of Testing : 07.07.2022

SLNo	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	63.00	63.0 mm
2	Mean Outside Diameter (mm)	63.50	Min 63.0mm Max 63.8 mm
3	Outside Diameter at Any Point (mm)	65.4	Min 61.0 mm Max 66.0 mm

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Job No.: CACE/BBMP/GM/W No.15/2022-23 Date: 27.07.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Contractor : **Sri.Gnanendra Murthy M D, Contractor, Bangalore.**

Name of the work : Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	27.07.2022	8.166	505.2	22.45
2	20.07.2022	27.07.2022	8.138	516.3	22.95
3	20.07.2022	27.07.2022	8.146	535.2	23.79

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Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.**

Contractor : **Sri.Gnanendra Murthy M D, Contractor, Bangalore.**

Name of the work : Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	27.07.2022	8.125	515.2	22.90
2	20.07.2022	27.07.2022	8.136	529.3	23.52
3	20.07.2022	27.07.2022	8.168	535.6	23.80

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Name of the work : Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	27.07.2022	8.188	505.2	22.45
2	20.07.2022	27.07.2022	8.169	516.3	22.95
3	20.07.2022	27.07.2022	8.172	534.6	23.76

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Name of the work : Sinking of borewells and providing pumps and motors and laying of Pipeline at T Dasarahalli ward No.15, BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	27.07.2022	8.136	515.2	22.90
2	20.07.2022	27.07.2022	8.155	529.6	23.54
3	20.07.2022	27.07.2022	8.146	489.6	21.76

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Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	27.07.2022	8.165	505.2	22.45
2	20.07.2022	27.07.2022	8.146	526.3	23.39
3	20.07.2022	27.07.2022	8.135	516.9	22.97

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